ITS *Mississippi Department of*
Information Technology Services

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Memorandum

To: Solicited Vendors for Letter of Configuration (LOC) Number 36198, dated January 4, 2006, for the Mississippi Department of Transportation

From: David L. Litchliter

Date: January 18, 2006

Subject: Responses Submitted to Questions and Clarifications to Specifications

Contact Name: Melinda Simmons

Contact Phone Number: 601-359-9535

Contact E-mail Address: Melinda.Simmons@its.state.ms.us

The following questions were submitted to ITS and are being presented as they were submitted, except to remove any reference to a specific vendor. This information should assist you in formulating your response.

1. Customer has Veritas Volume Manager on an Array that already has a hardware RAID controller – Is there a specific reason for needing Veritas Volume Manager?

    Response: MDOT uses Volume Manager to manage the data volumes and be consistent across the environment. Due to the unavailability of the Sun Fire V480, a Sun Fire V490 is being purchased instead. Veritas Volume Manager is needed for the Sun Fire V490. A revised General RFP Information Form is attached.

2. How will MISS DOT be setting up the 3x Sun 3510 Storage Arrays? Will Sun Part #XTA3510R01D2R1752 be used as the base array and the two #XTA3510R01D0Z730 be connected to it as Expansion units?

    Response: No, these are three different servers. A Sun Systems Engineer should perform the installation.

3. Customer has no FC switches on the configurations. How many servers are attaching to 3510? Who has the responsibility to provide the switches; MISS DOT or the offeror?

    Response: There is one server per 3510. MDOT will be responsible for the switches.

4. Customer has only 2 FC cables in the configurations, how many servers are attaching and are the servers going to be dual attached? Does the offeror have the responsibility to provide additional FC cables?

   Response: Three FC cables (#X9732A) are needed instead of two. A revised General RFP Information Form is attached.

5. Customer lists that they want to upgrade only Qty 2x of their Sun 3510's to One Year Silver Support. This would cover two out of the three 3510s with One Year Silver Support, then the systems would go back to their regular second year warranty service.

   The 3510 comes standard with a TWO YEAR Warranty from Sun. This Warranty includes the following:

   Phone Coverage: Regular Business Hours with 8 Hour Call Back Response
   On-Site Coverage: Year One - Second Business Day
   Year Two - Return to Sun
   Delivery Method: Year One - On-Site Delivery
   Year Two - Return to Sun.

   Replacement items are Customer Installable. Does the MISS DOT want three year coverage on the Sun 3510's? If so, would MISS DOT like to modify this initial order to purchase the three Year Silver Support for each of the 3x Sun 3510 Arrays (Qty 3x Sun Part #W9D-SE3510-3S)?

   Response: MDOT needs Sun Silver Support for two of the 3510s (JBOD) for three years and Sun Gold Support for one 3510 (RAID Array) for three years. **A revised General RFP Information Form is attached.**

6. Is there a need to migrate the data from the T3's to the 3510? If so, is this migration required before final acceptance?

   Response: No, there is no need to migrate the data.

7. Customer lists Part #W9D-S1TS-2S, but they are not ordering any Sun S1 Arrays. This part number appears to be incorrect. Please elaborate on how the customer intends to use this part number

   Response: The S1 arrays have already been purchased. The part number is hereby amended to read "W9D-S1TS-3S." A revised General RFP Information Form is attached.

8. The customer lists Qty 4x StorageTek part number #LTO2002-001(LTO GEN2 LVD SCSI Tape Drive) and #LTO2SL0-001INS (Tape Drive Installation service). However, they do not mention any support type or time for these additional items. Will any support be needed for these drives, and if so, what level and how long?

Response: MDOT needs the same support as their current drives, which includes the standard warranty and an 18-month extended warranty.

9. For the THREE Sun 3510 Arrays being requested, there are only Qty 2x #EIS-ARRAY-TRAY-E, along with Qty 2x #EIS-ARRAY-E. You would need to purchase ONE #EIS-ARRAY-E for each instance of the Array base install, and then purchase the actual number of 3510 trays/units that will be installed at that one base location. Please verify?

   Where will these be set up (one location or two), and how many 3510 trays total at each location?

   Response: There will be a quantity of three 3510 trays set up in one location. A revised General RFP Information Form is attached.

10. Customer has listed Veritas SW Maintenance at Standard Support for One Year (#VVMGS-1B99-1ST). Does MISS DOT want to co-terminate hardware and software at three years?

    Response: Yes.

11. The Sun Installation Service items #EIS-ARRAY-E and #EIS-ARRAY-TRAY-E appear to have incorrect quantities associated with them. I show that the customer is requesting Qty 3x Sun 3510s yet they are asking for Qty 2x Base Installs and Qty 2x Per Trays. If these are all being installed together at the same location, then MISS DOT would actually need to purchase Qty1x Base Install and Qty 3x Per Tray installs. How does the MISS DOT want these be installed?

    Response: Please see the answer to question #9.

12. Customer is missing the required Rack Kits for each of their Sun 3510 Arrays. Even though they are Rack-Ready, they will each require rack kits. If required, offeror requests a modification to the customer's configuration list.

    Response: Three rack kits have been added to the specifications. A revised General RFP Information Form is attached. The cabinet is a SunRack900-38, and the part number is SR9-XKM038-IP.

13. Has MISS DOT conducted a site survey?

    Response: No.

14. Are there any requirements of the offeror to provide modifications/additions to Power, space, HVAC?

    Response: No.

15. What are the methods the MISS DOT would like for the successful contractor to utilize in getting the equipment to final locations (loading docks, double-doors, etc)? Please elaborate on any delivery restrictions / requirements.

   Response: No, there are not any delivery restrictions or requirements. The location of the equipment will be 401 North West Street, 2nd floor, Information Systems Division.

16. If award is Jan 24, 2006, and operational date is March 31, 2006. Does the 30 day evaluation period begin after March 31, 2006? Is data migration a requirement of the offeror? When is this performed? What data migration responsibility does the offeror have during the 30 day acceptance period?

   Response: Yes, the thirty-day evaluation period will begin after March 31, 2006 or the date that the equipment becomes operational. No data migration is required.

17. Can installation be performed during normal business hours? If not, when does MISS DOT prefer install to take place?

   Response: Yes, installation can be performed during normal business hours.

18. What are the requirements for Access to facility (escorts, security badges, keys, etc)?

   Response: Vendor will be required to sign-in on the first floor and wear a visitor's badge.

19. Are there any security requirements for the contractor installation team (background checks, clearances, etc)?

   Response: No.

20. Will the successful contractor be provided a staging area, or will the equipment be unpacked in the same place as the final resting place?

   Response: Yes, Vendor will be provided a staging area.

21. Does installation/configuration only pertain to sold equipment? Is the successful contractor responsible for integration modifications to existing equipment?

   Response: The Sun Systems Engineer will be aware of needed integration.

22. Offerors may not know the current conditions of the environment. Please provide specific details.

   Response: Please see the attached cabinet diagrams.

Please note that the deadline for LOC responses has been extended. LOC responses are now due **Thursday, January 26, 2006, at 3:00 p.m. (Central Time).**

If you have any questions concerning the information above or if we can be of further assistance, please contact Melinda Simmons at 601-359-9535.

GENERAL RFP INFORMATION FORM

Please submit the **ITS** requested information response under your general proposal #3421 using the following format.

Send your completed form back to the Technology Consultant listed below. If the necessary information is not included, your response cannot be considered.

ITS Technology Consultant

Name: Melinda Simmons   **RFP#** 3421

Company Name: _____   **Date:** _____

Contact Name: _____   **Phone** _____
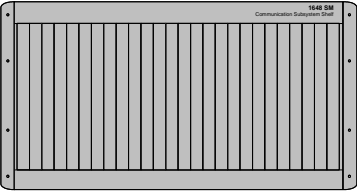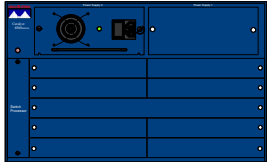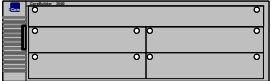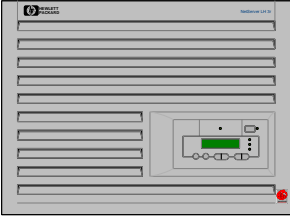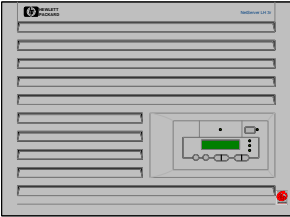
Contact E-mail: _____

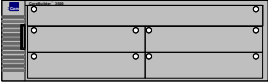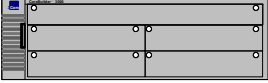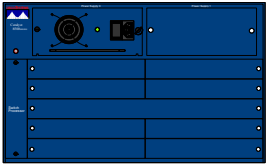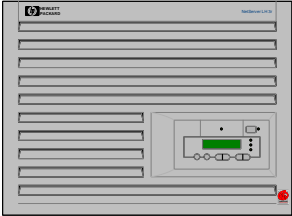| Manufacturer	*Manufacturer Model Number	Description	Quantity	Unit Price	Extended Price
Sun	XTA3510R01D0Z730	3510-.73TB-5x146/15-JBOD-DC-RR	2		
Sun	XTA-3510-146GB-15K	146GB FC, 15Krpm drive	7		
Sun	SG-XPCI1FC-EM2	Emulex 2Gb Single Port FC HBA	6		
Sun	W9D-SE3510-3S	3 year Silver Support for 3510 arrays (JBOD)	2		
Sun	XTA3510R01D2R1752	SE3510-1752GB-12x146-2RD-DC-RR	1		
Sun	X9732A	2M LC to LC FC Optical Cable	3		
Sun	EBA9S-301-E9M9	ESM Base Applications 3.1	1		
Sun	W9D-SE3510-3G	3 year Gold Support for 3510 array (RAID)	1		
Sun	XTA-3310-RK-19S	Rack Kits for 3510 Arrays	3		
	EIS-ARRAY-E	Array Base Charge Installation	1		
	EIS-ARRAY-TRAY-E	Array Per-Tray Installation	3		
VERITAS	VVMGS-401-1C99	VERITAS Volume Manager 4.1 License Tier 1C	2		
VERITAS	VVMGS-1C99-1ST	VERITAS Volume Manager License Tier 1C Annual Standard Support	2		
VERITAS	VSTOR-401-9999	VERITAS Storage Solutions 4.1 Software for Volume Manager, File System, Storage Foundation Standard and Enterprise, English	2		

VERITAS	VSTOR-9999-1M	VERITAS File System and Volume Manager 4.X Media Kit and Documentation, 1 Year Electronic Software Distribution	2		
StorageTek	LTO2002-001	LTO Gen 2 Low Voltage Differential SCSI Tape Drive - L20/L40/L80	4		
	LTO2SL0-001INS	LTO Gen 2 Low Voltage Differential SCSI Tape Drive for L20/40/80 Installation	4		
Sun	W9D-S1TS-3S	Sun Spectrum Silver Support for S1, 3 Year	2		
				TOTAL	

*Manufacturer model number, not Vendor number. If Vendor's internal number is needed for purchase order, include an additional column for that number.
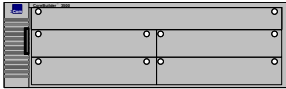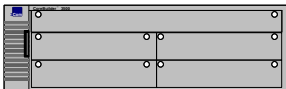
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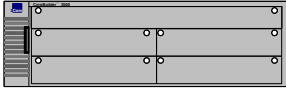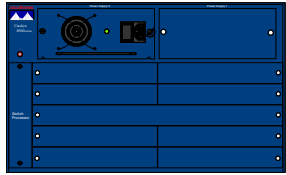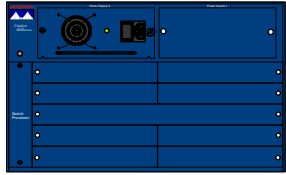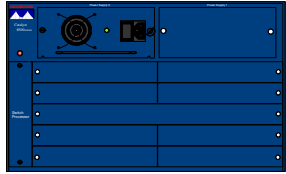
	Terminal Server
	3310 432 gb
	3310 432 gb
	Sunfire 480 Legato and Backups
	T3 472 gb
	T3 472 gb
	A5100 504 gb
	A5100 504 gb

Cabinet 02

	S1 storage 146 gb
	3510 dev/test 876 gb
	3510 production 1086 gb
	3510 dev/test 1752 gb
	3510 production 1086 gb
	Sunfire 490 Solaris 9 Oracle 9i development
	SUN 1280 Solaris 9 Oracle 9i production

Cabinet 03

S1 storage
146 gb

S1 storage
146 gb

S1 storage
146 gb

3510
1752 gb
Test/QA

Sunfire 480
Solaris 9
Oracle 9i
Test

Sunfire 480
Solaris 9
Oracle 9i
QA

Sunfire 480
Solaris
Sybase
TMIS